Gev

22.00 OVE.

OIPE

X

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/024,579

DATE: 01/10/2002 TIME: 15:54:45

Input Set : A:\LEX-0274-USA SEQLIST.txt
Output Set: N:\CRF3\01102002\J024579.raw

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      4 <110> APPLICANT: Friddle, Carl Johan
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              Gerhardt, Brenda
             Hilbun, Erin
      6
             Turner, C. Alexander Jr.
       <120> TITLE OF INVENTION: Novel Human Ion Channel-Related Proteins
             and Polynucleotides Encoding the Same
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     13 <130> FILE REFERENCE: LEX-0274-USA
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C--> 15 <141> CURRENT FILING DATE: 2001-12-18
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     30 gaattcaaga tggttggtgg ccagattttt gtagacagag atggtgattt gtttagtttc 180
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     34 gcttttttca gggtgtttgg ctcttgcagc aaaacaattg agatgctaac agggaggatt 420
     35 acagtgttta cagaacaacc ttcagcgccg acctggaatg gtaacttttt ccctcctcag 480
     36 atgacettae ttecaetgee tecaeaaaga eettettaee atgacetggt tttecagtgt 540
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    47 1
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    48 Thr Thr Arg Phe Ser Thr Ile Lys Gln Phe Pro Ala Ser Arg Leu Ala
    49
    50 Arg Met Leu Asp Gly Arg Asp Gln Glu Phe Lys Met Val Gly Gly Gln
                                    40
    52 Ile Phe Val Asp Arg Asp Gly Asp Leu Phe Ser Phe Ile Leu Asp Phe
                                55
    54 Leu Arg Thr His Gln Leu Leu Pro Thr Glu Phe Ser Asp Tyr Leu
                            70
    56 Arg Leu Gln Arg Glu Ala Leu Phe Tyr Glu Leu Arg Ser Leu Val Asp
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90

58 Leu Leu Asn Pro Tyr Leu Leu Gln Pro Arg Pro Ala Leu Val Glu Val

85

57

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                               120
                                                    125
           115
62 Cys Ser Lys Thr Ile Glu Met Leu Thr Gly Arg Ile Thr Val Phe Thr
                           135
                                                140
64 Glu Gln Pro Ser Ala Pro Thr Trp Asn Gly Asn Phe Phe Pro Pro Gln
                       150
                                            155
66 Met Thr Leu Leu Pro Leu Pro Pro Gln Arg Pro Ser Tyr His Asp Leu
                                        170
                   165
68 Val Phe Gln Cys Gly Ser Asp Ser Thr Thr Asp Asn Gln Thr Gly Val
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84 tqqaaacact atttacctta caqtaqtttc ctqqqaatct aagtctggtt tttgttattc 180
85 ttccctcccc tccactgcat aatcatgtat aactagcaac atttatggtt ataggttgat 240
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87 aactggtcac tttgaatgtg ggagggaaga tattcacgac aaggttttct acgataaagc 360
88 agtttcctgc ttctcgtttg gcacgcatgt tagatggcag agaccaagaa ttcaagatgg 420
89 ttggtggcca gatttttgta gacagagatg gtgatttgtt tagtttcatc ttagattttt 480
90 tgagaactca ccagctttta ttacccactg aattttcaga ctatcttagg cttcagagag 540
91 aggetetttt etatgaaett egttetetag ttgatetett aaacceatae etgetacage 600
92 caagacctgc tettgtggag gtacatttee taageeggaa caeteaaget tittteaggg 660
93 tgtttggctc ttgcagcaaa acaattgaga tgctaacagg gaggattaca gtgtttacag 720
94 aacaacette agegeegace tggaatggta aettttteee teeteagatg acettaette 780
95 cactgootee acaaagacet tettaceatg acetggtttt ceagtgtggt tetgacagea 840
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99 tattttccaa actgggatac tttttagagt gaaaggggct attattaggt gggacaaaag 1080
100 gaataaatga agactgccca gaaaaaactg agactatgga cattcaaatc atgggagaaa 1140
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112 gegetgeece tgetgeeaca ggagttteet gaggttgtte ceettaacat eggagggget 180
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PATENT APPLICATION: US/10/024,579

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Input Set : A:\LEX-0274-USA SEQLIST.txt
Output Set: N:\CRF3\01102002\J024579.raw

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RAW SEQUENCE LISTING DATE: 01/10/2002 PATENT APPLICATION: US/10/024,579 TIME: 15:54:45

Input Set : A:\LEX-0274-USA SEQLIST.txt
Output Set: N:\CRF3\01102002\J024579.raw

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235	_			_	85			_		90					95		
236	Leu	Lys	Gln	His	Tyr	Phe	Ile	Asp	Arg	Asp	Gly	Glu	Ile	Phe	Arg	Tyr	
237				100					105					110			
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247	**- 1	D 1	D	180	m1	a 1		47 - T	185	G	3	a	37a 1	190	71.	G1	
	vaı	Pne		GIU	Thr	GTÄ	Asp	200	мес	Cys	ASII	ser	205	ASII	Ala	GTA	
249	m-m	7 00	195	7.00	Dwo	mhm	uic		τ10	7 200	nho	Dro		N an	C151	TI STATE	
250	ттр	210	GIII	ASP	PIO	1111	215	vaı	TTE	ALG	Pne	220	цец	ASII	Gly	ıyı	
	Cve		T.011	Δen	Sar	Val		Val	T.e.n	Glu	Δτα		Phe	Gln	Arg	Glv	
	225	птд	Бец	ASII	561	230	GIII	Vul	пси	Olu	235	пси	1 110	0111	1119	240	
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VERIFICATION SUMMARY

DATE: 01/10/2002

PATENT APPLICATION: US/10/024,579

TIME: 15:54:46

Input Set : A:\LEX-0274-USA SEQLIST.txt Output Set: N:\CRF3\01102002\J024579.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date